



1648

**PATENT**

**ATTORNEY DOCKET NO: 08321-0172 US1**  
**(Formerly JEFF-KOP01.P)**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent application of  
Hilary Koprowski et al.

Serial No.: 09/673,174

Filed: October 12, 2000

For: PRODUCTION OF BIOMEDICAL PEPTIDES  
AND PROTEINS IN PLANTS USING PLANT  
VIRUS VECTORS

Confirmation No.: 2234

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: Group Art Unit:  
: 1648  
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: Examiner:  
: Stacy S. Brown  
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**REVOCATION OF PRIOR POWERS OF ATTORNEY  
AND DESIGNATION OF POWER OF ATTORNEY BY  
ASSIGNEE FOR APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REVOCATION OF PRIOR POWERS**

The assignee of the entire right, title and interest of the above application, Thomas Jefferson University, hereby revokes all prior powers of attorney for the subject application.

**CHAIN OF TITLE**

A true and correct photocopy of an assignment of the entire right, title and interest in and to the above-identified patent application from the inventor to Thomas Jefferson University, is attached hereto. The aforementioned assignment has been filed for recordation by the USPTO.

<b>CERTIFICATE OF MAILING</b> <b>UNDER 37 C.F.R. 1.8(a)</b>	
<p>I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p>	
BY	<u><i>Amy Glabicki</i></u>
DATE:	<u>10/27/03</u>

In accordance with 37 C.F.R. § 3.73(b), the assignee hereby certifies that the evidentiary documents with respect to the assignee's ownership (as identified above) have been reviewed and that, to the best of the assignee's knowledge and belief, title is in the assignee seeking to take this action.

#### **NEW POWER OF ATTORNEY**

The assignee for the above application hereby appoints Arthur H. Seidel, Registration No. 15,979; Gregory J. Lavorgna, Registration No. 30,469; Daniel A. Monaco, Registration No. 30,480; Thomas J. Durling, Registration No. 31,349; John J. Marshall, Registration No. 29,671; Robert E. Cannuscio, Registration No. 36,469; and George A. Frank, Registration No. 27,636 as attorneys or agents for prosecution of the application with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to Daniel A. Monaco, Esq. at Drinker Biddle & Reath, LLP, One Logan Square, 18<sup>th</sup> and Cherry Streets, Philadelphia, PA 19103-6996. Direct all telephone calls to Daniel A. Monaco at 215-988-3312; telefax: 215-988-2757.

I hereby declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 10/23/03

BY: Steven E. McKenzie M.D., Ph.D.  
Steven E. McKenzie, M.D., Ph.D.  
V.P. for Science Policy Technology Transfer

RECORDATION FORM COVER SHEET  
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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

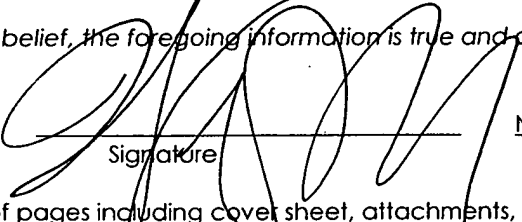
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b>  Hilary Koprowski and Vidadi Yusibov  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b>  Name: <u>Thomas Jefferson University</u>  Internal Address: _____  _____  Street Address: <u>11<sup>th</sup> and Walnut Streets</u>  City: <u>Philadelphia</u> State: <u>Pennsylvania</u> ZIP: <u>19107</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____  Execution Date: <u>November 5, 2001 and November 7, 2001</u>	

<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: _____	
A. Patent Application No.(s) <u>09/673,174</u>	B. Patent No.(s)  Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: <u>William J. McNichol, Jr.</u>  Internal Address: <u>ReedSmith LLP</u>  <u>2500 One Liberty Place</u>  _____  Street Address: <u>1650 Market Street</u>  _____  City: <u>PHILADELPHIA</u> State: <u>PA</u> ZIP: <u>19103</u>	<b>6. Total number of applications and patents involved:</b> <input checked="" type="checkbox"/> 1  <b>7. Total fee (37 CFR 3.41).....</b> <u>\$ 40.00</u>  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b>  <u>18-0586</u>  (Attach duplicate copy of this page if paying by deposit account)
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<b>9. Statement and signature.</b> To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.	
Name of Person Signing <u>William J. McNichol, Jr.</u>	Signature  Date <u>November 27, 2001</u>
Total number of pages including cover sheet, attachments, and document: <input checked="" type="checkbox"/> 4	

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, we, the undersigned inventors, whose post office addresses are set forth below, have invented and own a certain invention entitled:

### PRODUCTION OF BIOMEDICAL PEPTIDES AND PROTEINS IN PLANTS USING PLANT VIRUS VECTORS

for which an application for Letters Patent of the United States was filed on October 12, 2000 and has been assigned U.S. Serial No. 09/673,174; and

WHEREAS, THOMAS JEFFERSON UNIVERSITY, of Philadelphia, Pennsylvania, a corporation organized and existing under the laws of the state of Pennsylvania and having a place of business at 11<sup>th</sup> & Walnut Streets, Philadelphia, Pennsylvania 19107 hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, we hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention, the receipt and sufficiency of which is hereby acknowledged, in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

WE HEREBY COVENANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

WE FURTHER COVENANT that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to us and we will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_ day of \_\_\_\_\_, 2001.

Signature: \_\_\_\_\_

Name Printed: Hilary Koprowski

Post Office Address: 334 Fairhill Road  
Wynnewood, Pennsylvania 19096

STATE OF PENNSYLVANIA)

) ss.

COUNTY OF PHILADELPHIA)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me personally came Hilary Koprowski, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_ day of \_\_\_\_\_, 2001.

Signature: \_\_\_\_\_

Name Printed: Vidadi Yusibov

Post Office Address: 1808 Manor Road  
Havertown, Pennsylvania 19083

11/05/01

STATE OF PENNSYLVANIA)

) ss.

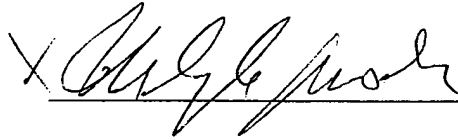
COUNTY OF PHILADELPHIA)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me personally came Vidadi Yusibov, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day of November, 2001.

Signature:



Name Printed: \_\_\_\_\_

Hilary Koprowski

Post Office Address:

334 Fairhill Road

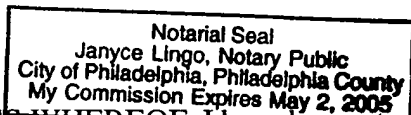
Wynnewood, Pennsylvania 19096

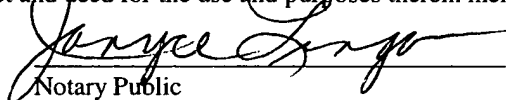
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Vidadi Yusibov

Post Office Address: \_\_\_\_\_

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Havertown, Pennsylvania 19083

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\_\_\_\_\_  
Notary Public